2020 SWPPP

SITE INSPECTION FORM

1- DAILY

2- WEEKLY

3- ERTS

4- VEHICLE

ED_005624_00000046-00001

2020 SWPPP
SITE INSPECTION FORM

Construction Stormwater Site Inspection Form

Project Name Electron Diversion Permit # ______ Inspection Date 11/6/20 Time 10:00 am 3:30 pm

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*

Print Name: Steven Goodrich

Approximate rainfall amount since the last inspection (in inches): ±2"

Approximate rainfall amount in the last 24 hours (in inches): ±2"

Current Weather Clear ☐ Cloudy ☒ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☒ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☐	Clearing/Demo/Grading	☐	Infrastructure/storm/roads	☐
Concrete pours	☐	Vertical Construction/buildings	☐	Utilities	☐
Offsite improvements	☒	Site temporary stabilized	☐	Final stabilization	☐

Clean up - water 3 day

C. Questions:

1. Were all areas of construction and discharge points inspected? Yes X No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen Yes ___ No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*) Yes ___ No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?* Yes ___ No ___
5. If yes to #4 was it reported to Ecology? Yes ___ No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5. Yes ___ No ___

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

Visual of Pond much clearer than River ± 500 ft

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: ______

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000627

ED_005624_00000046-00003

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X	X				
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X	X		continue clean rebuild as materials moved		1
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X			sides replace (x2), reset		3
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X			being left to stabilize		4
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X					

EH-USA000628

ED_005624_00000046-00004

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X		X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?	X					
	Is off-site storm water managed separately from stormwater generated on the site?	X					
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X			Materials removed remove		
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X			Sand might be play		(5)
	Are existing storm drains within the influence of the project protected?						
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X			Was cleaned		
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					(3)
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X		X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000629

ED_005624_00000046-00005

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X			NONE SEEN		NO
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?	X			NONE		NO
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X			MUST INCLUDE REST FOR DEWATER SYS.		REST
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?			X			
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.						

E. Check all areas that have been inspected. ✔

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [X] All material storage areas [X]
All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

EH-USA000630

ED_005624_00000046-00006

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
1	~~Check~~ Inthe Road	Materials moved		
		Reinstall new Check		
(2)	Close out and Relocation			
	of materials throughout	all closed area to		
	side	be restored and Bmp		
		from earlier plans		
		Restored		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich (Signature) [signature] Date: 11/6/20

Title/Qualification of Inspector: Engineer \ CPESC

12345, Site Being Rearranged and materials Being Restored, Area Being Cleaned, Shore Rock Has Been Replaced

Hydraulic Balance for Sediment Trap Being Allowed as Conveyance Ditch Has Been Cleaned out; No Flow from Dewatering Being introduced So Should Be left Dormant for Most of Winter to Allow Slow seepage,

= Shore Banks Restored with New Rock, Road, Side Slopes to Be Add Addition Cover, Cut off or Water Bars to Be Added

= Road Resurfaced to Be Cleaned Again

EH-USA000631

ED_005624_00000046-00007

Construction Stormwater Site Inspection Form

Project Name Electron intake Permit # WAR306648 Inspection Date 10/28 Time 8:30/11 12:00

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven Gaspich

Approximate rainfall amount since the last inspection (in inches): ~1.5

Approximate rainfall amount in the last 24 hours (in inches): <1"

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [X] END Work SHUTDOWN

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	[ ]	Clearing/Demo/Grading	[ ]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ] PHASE 1C
Offsite improvements	[ ]	Site temporary stabilized	[X]	Final stabilization	[ ]

Winterize

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes [X]	No [ ]	
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes [ ]	No [X]	
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes [ ]	No [ ]	- SEE WQMR
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes [ ]	No [ ]	
5. If yes to #4 was it reported to Ecology?	Yes [ ]	No [ ]	
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes [ ]	No [ ]	

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.
Discharge point from site seeping from pond - clear no turbidity
Work in water see Water Monitr Forms submitte to Cord Seder 2CY

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date:

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000632
ED_005624_00000046-00008

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X		X			
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?			X	Special Jent 10.5 rod		
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X			Needs maint.		Restore for width
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					//
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					//
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X		Side slope sta foot path		Resurface slope

EH-USA000633

ED_005624_00000046-00009

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?						
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?	X					
	Is off-site storm water managed separately from stormwater generated on the site?	X					
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X			Restore clear sedi		
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.						
	Are existing storm drains within the influence of the project protected?			X			
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X			yes review af		
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	+					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000634

ED_005624_00000046-00010

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X			Been disabled		
	Were there any clean non turbid dewatering discharges?		X				
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?		X		Need end seasn improvement		
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X			No water		
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?			X			
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

E. Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [X] All material storage areas [X]
All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [ ]

EH-USA000635

ED_005624_00000046-00011

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

All exposed dirt now being exposed

Element #	Description and Location	Action Required	Completion Date	Initials
(1) –	Restore all surface BMP	(Straw @ net)	expose now 11/6/20	S
		Fill Gaps		
(2)	Dewatering remove so sediment	need to be removed	11/6/20	SPG
(3)		Side slope gravel cover	11/6/20	SPG
			SMIL	
(4)	Close Down continues	Monitor as removal	underway	SPG
	And Review of Actions	occurs on Full site	11/6/20	
	will be required			
	constantly			

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) STEVEN P Goodrich (Signature) [signature] Date: 11/3/29-20

Title/Qualification of Inspector: CECSL

SITE SHUTDOWN AND WINTERIZING UNDERWAY 11/6/20 SPG

DITCH CLEAN WITH GW TO BALANCE 11/6/20 SPG

Construction Stormwater Site Inspection Form

Project Name Electron intake **Permit #** WAR306648 **Inspection Date** 10/28 **Time** 8:54 11 0507

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven Gasperich

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): < 1"

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [X] END WORK SHUTDOWN

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls
Concrete pours
Offsite improvements

[ ] Clearing/Demo/Grading
[ ] Vertical Construction/buildings
[ ] Site temporary stabilized

[ ] Infrastructure/storm/roads
[ ] Utilities
[ ] Final stabilization

[ ] PHASE 1C

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes [X]	No [ ]
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes [ ]	No [X]
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes [ ]	No [ ] — SEE WQMR
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes [ ]	No [ ]
5. If yes to #4 was it reported to Ecology?	Yes [ ]	No [ ]
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes [ ]	No [ ]

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.
Discharge point from site seepage from pond - clear no turbidity
No work in water see Water Monitor Forms submitted to Carol Sedar 2C4

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000637
ED_005624_00000046-00013

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X		X			
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?			X	Special Ent 10.5 rod		
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X			Needs Maint.		Restore for w.inf
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					//
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					//
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X		Side slope 5a foot path		Resurface slope

EH-USA000638

ED_005624_00000046-00014

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?						
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?	X					
	Is off-site storm water managed separately from stormwater generated on the site?	X					
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X			Restore clean soil		
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.						
	Are existing storm drains within the influence of the project protected?			X			
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X			yes review afo		
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	+					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000639

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Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X			Been disabled		
	Were there any clean non turbid dewatering discharges?		X				
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?		X		Need ..end seesa improvemak		
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X			No water		
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?			X			
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

E. Check all areas that have been inspected. ✔

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [X] All material storage areas [X]
All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [ ]

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Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
1 -	Restore all surface BMP	(Straw @ net)		
		Fill Gaps		
2	Dewatering remove so sediment	need to be remov		
3/		SIDE SLOPE GRAVEL Cover		
4	CLOSE DOWN continues	Monitor as removal		
	AND Review OF ACTIONS	occurs ON Full site		
	WILL BE Required			
	Constantly			

Attach additional page if needed

<u>**Sign the following certification:**</u>

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) STEVEN P Goodrich (Signature) ____________________ Date: ____________

Title/Qualification of Inspector: CESCL

Construction Stormwater Site Inspection Form

roject Name Election Permit # WAR306648 Inspection Date 10/22/2020 Time 10:00am

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Klepe

Approximate rainfall amount since the last inspection (in inches): 4"

Approximate rainfall amount in the last 24 hours (in inches): 0

Current Weather Clear ☐ Cloudy ☒ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☒ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls		Clearing/Demo/Grading	☐	Infrastructure/storm/roads	☐
☒ Concrete pours		Vertical Construction/buildings	☐	Utilities	☐
Offsite improvements		☒ Site temporary stabilized		Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes X	No ___
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No X
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: 10/22/2020

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	7.0			Compliance Background = 7.1
pH	Paper, kit, meter				

EH-USA000642

ED_005624_00000046-00018

Construction Stormwater Site Inspection Form

Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?			X			
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X		grade road & Berm edge away from river		see F
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X			mulch		see F

EH-USA000643

ED_005624_00000046-00019

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X		Maintain check dams		See F
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					See F
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					See F
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					See F
	Were contaminated surfaces cleaned immediately after a spill incident?	X					See F
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	X					

EH-USA000644

ED_005624_00000046-00020

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?	X					
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected. ✔

All in place BMPs ☑ All disturbed soils ☑ All concrete wash out area ☑ All material storage areas ☑
All discharge locations ☑ All equipment storage areas ☑ All construction entrances/exits ☑

EH-USA000645

ED_005624_00000046-00021

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4	Road on site, level needs graded stone	-added gravel & shaped road also	10/19	CK
		created rock berm on edge		
5	exposed soil on hillside slope	Mulched soil	10/19	CK
	by stairs			
6	check dams throughout site	rebuilt as needed	10/19	CK
8	Conveyance channel not	filled in channel, part of	10/22	CK
	needed, no water discharge	project close out		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Cory Klepp (Signature) [signature] Date: 10/22/2020

Title/Qualification of Inspector: CESCL

per Steve Goodrich direction

Element #	Action	Completed	Initials
1	emptied secondary containment from rain water	10/20	CK
9	Active site removal of waste materials & cover for petrol	remove materials not needed on site	CK
9	small grease spill on road, from forklift	Cleaned immediately 10/17 w/ BMP SP1	CK

EH-USA000646

ED_005624_00000046-00022

Construction Stormwater Site Inspection Form

Project Name Electron Permit # WAR 306645 Inspection Date 10/8/2020 Time 11:00 am

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): 0

Approximate rainfall amount in the last 24 hours (in inches): 0

Current Weather Clear ☐ Cloudy ☒ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☒ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls		Clearing/Demo/Grading		Infrastructure/storm/roads	
Concrete pours	X	Vertical Construction/buildings		Utilities	
Offsite improvements		Site temporary stabilized		Final stabilization	

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes X	No
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes	No X
5. If yes to #4 was it reported to Ecology?	Yes	No X
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes (X)	No ~~X~~

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: 10/8/2020

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter			7.80	Background,

EH-USA000647

ED_005624_00000046-00023

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	Y					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?			X			
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X					

EH-USA000648

ED_005624_00000046-00024

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?		X		requires cover		see F
	Has secondary containment been provided capable of containing 110% of the volume?		X		need secondary containment		see F
	Were contaminated surfaces cleaned immediately after a spill incident?			X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	X					

EH-USA000649

ED_005624_00000046-00025

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			See F
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?	X					
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?		X				See F
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected. ✓

All in place BMPs [✓] All disturbed soils [✓] All concrete wash out area [✓] All material storage areas [✓]
All discharge locations [✓] All equipment storage areas [✓] All construction entrances/exits [✓]

EH-USA000650

ED_005624_00000046-00026

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
a	some of the fuel & diesel containers did not have cover.	Provide cover for these	10/8/2020	CK
a	Secondary containment for two generators needed	Built secondary containment for these	10/8/2020	CK
12	SWPPP	Needs update, spoke w/ Steve Goodrich to update map for BMPs		CK

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Klepp (Signature) [signature] Date: 10/8/2020

Title/Qualification of Inspector: LESL

Under Direction from Steve Goodrich

EH-USA000651

ED_005624_00000046-00027

Construction Stormwater Site Inspection Form

Project Name Elliott Permit # WAR306648 Inspection Date 10/15/2020 Time 4:00pm

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): 0

Approximate rainfall amount in the last 24 hours (in inches): 0

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [ ]

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	[ ]	Clearing/Demo/Grading	[ ]
[X] Concrete pours	[ ]	Vertical Construction/buildings	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]
Infrastructure/storm/roads	[ ]		
Utilities	[ ]		
Final stabilization	[ ]		

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes X	No ___
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes X	No ___
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No X
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes X	No ___

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.
Excavation Downstream of footing to stabilize road access to site, caused turbid water in conveyance channel. Excavation work was paused until water cleared up.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: 10/15/2020

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	22.0			Background was 11.0; over 10%
pH	Paper, kit, meter				

EH-USA000652
ED_005624_00000046-00028

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?			X			
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X					

ED_005624_00000046-00029

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X			check dams need maintenance		see F
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X			Need to document log inspections		see F
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	X					

EH-USA000654

ED_005624_00000046-00030

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?	X					
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	XX					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?		X		need to add documentation		See F
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [✓] All material storage areas [✓]
All discharge locations [✓] All equipment storage areas [✓] All construction entrances/exits [✓]

EH-USA000655

ED_005624_00000046-00031

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
6	Check dams in ditch & Channel need maintenance	maintain check dams	10/16	
9/12	Vehicle Inspections for in rive work	needs to be documented was being done, but not logged	10/15	ck

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Kepple (Signature) [signature] Date: 10/15/2020

Title/Qualification of Inspector: CESCL

under Steve Goodrich direction

SPP

Need to add reprint of updated SWPPP Report to drawings

EH-USA000656

ED_005624_00000046-00032

Construction Stormwater Site Inspection Form

Project Name Electron Permit # WAR306648 Inspection Date 9.30 Time 10/1/2020

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): Ø

Approximate rainfall amount in the last 24 hours (in inches): Ø

Current Weather Clear ☑ Cloudy ☐ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☑ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	☒ Clearing/Demo/Grading	☐ Infrastructure/storm/roads	☐
☒ Concrete pours	☐ Vertical Construction/buildings	☐ Utilities	☐
Offsite improvements	☐ Site temporary stabilized	☐ Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes X	No ___
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes X	No ___
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No X
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes X	No ___

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: 10/1/2020

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	55			Background
pH	Paper, kit, meter	8.15			Background / concrete pour not in contact w/ water

EH-USA000657

ED_005624_00000046-00033

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?			X			
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X					

EH-USA000658

ED_005624_00000046-00034

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?	X		X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X			outlet protection modified		See F
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X			Fish oil spill cleaned up		Clean spill See F
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?	X					See F

EH-USA000659

ED_005624_00000046-00035

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X			modified see F		
	Were there any clean non turbid dewatering discharges?	X					
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?		X				update see F changes
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected. ✓

All in place BMPs [✓] All disturbed soils [✓] All concrete wash out area [✓] All material storage areas [✓]
All discharge locations [✓] All equipment storage areas [✓] All construction entrances/exits [✓]

EH-USA000660

ED_005624_00000046-00036

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
8	Pump discharge into channel	Changed outlet	9/25/2020	K
	installed manhole w/ steel	to better protect		
	plate as outlet protection	ditch w/ concrete		
	for discharge	manhole BMP C209		
9	RD side on Up stream	immediate spill response	9/25/2020	OK
	access rd. Hydraulic fish	happened using spill response		
	oil spill approx 1.5 gallons	procedure BMP SP1		
10	flows into infiltration forest	use lay down hose w/	9/25/2020	OK
		sprinkler holes to distribute		
		water for infiltration		

Attach additional page if needed

BMP SI-1

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Klepac (Signature) [signature] Date: 10/1/2020

Title/Qualification of Inspector: CESCL

for Steve Goodrich
(under Steve's direction)

EH-USA000661

ED_005624_00000046-00037

Construction Stormwater Site Inspection Form

Project Name Election Permit # WAR306648 Inspection Date 9:30 Time 9/24/2020

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Klepe

Approximate rainfall amount since the last inspection (in inches): 1.5"

Approximate rainfall amount in the last 24 hours (in inches): 1"

Current Weather Clear ☐ Cloudy ☒ Mist ☐ Rain ☐ Wind ☐ Fog ☐

A. Type of inspection: Weekly ☒ Post Storm Event ☐ Other ☐

B. Phase of Active Construction (*check all that apply*):

X Pre Construction/installation of erosion/sediment controls	☒ Clearing/Demo/Grading	☐ Infrastructure/storm/roads	☐
Concrete pours	☐ Vertical Construction/buildings	☐ Utilities	☐
Offsite improvements	☐ Site temporary stabilized	☐ Final stabilization	☐

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes X	No ___
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes X	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No X
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.
Background NTU 1,000, Point of Compliance NTU 1000, Discharge from conveyance channel 950 NTU, which is allowable per Election wQMP. No action required.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: 9/24/2020

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	950			w/in compliance
pH	Paper, kit, meter			7.3	

ED_005624_00000046-00038

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?			X			
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X					

EH-USA000663

ED_005624_00000046-00039

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?			X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000664

ED_005624_00000046-00040

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?		X				
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected.

All in place BMPs ☑ All disturbed soils ☑ All concrete wash out area ☑ All material storage areas ☑
All discharge locations ☑ All equipment storage areas ☑ All construction entrances/exits ☑

EH-USA000665

ED_005624_00000046-00041

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Klepper (Signature) [signature] Date: 9/24/2020

Title/Qualification of Inspector: CESCL

under direction from Star Goodrich

Construction Stormwater Site Inspection Form

Project Name Electron Permit # WAR306178 Inspection Date 9/17/2024 Time 7:30 am

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Joey Klepic

Approximate rainfall amount since the last inspection (in inches): 0

Approximate rainfall amount in the last 24 hours (in inches): 0

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of Inspection: Weekly [X] Post Storm Event [ ] Other [ ]

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	[ ] Clearing/Demo/Grading	[ ] Infrastructure/storm/roads	[ ]
Concrete pours	[ ] Vertical Construction/buildings	[ ] Utilities	[ ]
Offsite improvements	[X] Site temporary stabilized	[ ] Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes [X]	No [ ]
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes [ ]	No [ ]
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes [ ]	No [ ]
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes [ ]	No [ ]
5. If yes to #4 was it reported to Ecology?	Yes [ ]	No [ ]
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes [ ]	No [X]

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date:

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	100			EPA Hach
pH	Paper, kit, meter			7.30	

EH-USA000667

ED_005624_00000046-00043

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and location	Action Required	Completion Date	Initials
2	quarry spalls determined			CK
	Not applicable			
	roads gravelled & shoulders	done	9/16/2020	CK
	covered			
	Slope US from bridge			
	protected w/ Jute Blankets	Needs to be completed		CK

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Kleffe (Signature) [signature] Date: 9/16/2020

Title/Qualification of Inspector: CESCL

under direction from Steve Goodrich SG

EH-USA000668

ED_005624_00000046-00044

Construction Stormwater Site Inspection Form

Project Name Electron Permit # WAR306648 Inspection Date 9/10/10 Time 10:20 am

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Klepze

Approximate rainfall amount since the last inspection (in inches): 0

Approximate rainfall amount in the last 24 hours (in inches): 0

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [ ]

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	[ ]	Clearing/Demo/Grading	[ ]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[X]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes X	No ___
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes ___	No X
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: 9/10/2010

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	160			
pH	Paper, kit, meter			7.14	

ED_005624_00000046-00045

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?						
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				See F

ED_005624_00000046-00046

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?						
	Were contaminated surfaces cleaned immediately after a spill incident?			X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000671

ED_005624_00000046-00047

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected.

All in place BMPs ☑ All disturbed soils ☑ All concrete wash out area ☑ All material storage areas ☑
All discharge locations ☑ All equipment storage areas ☑ All construction entrances/exits ☑

ED_005624_00000046-00048

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
	Stairs by chalet	Cover exposed dirt & graded		
2		need quarry spalls		CK
6	- Shoulders of roads need gravel	grade & gravel roads		CK
	- Steep slopes ~~need~~ by	Either mulch or hydroseed		CK
	Conveyance ditch & chalet exposed	or Leavy blankets for		
		Steep slopes		
	Slope drain upper landing	infiltrating no slope drain		CK
		needed		
		- needs Blankets/Mats &		CK
		check dams built up		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Klepfe (Signature) [signature] Date: 9/10/2020

Title/Qualification of Inspector: CESCL

under direction per Steve Goodrich

EH-USA000673

ED_005624_00000046-00049

Construction Stormwater Site Inspection Form

Project Name Election Permit # WAR306678 Inspection Date 9/3/2020 Time 7:02 am

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Klepe

Approximate rainfall amount since the last inspection (in inches): 0

Approximate rainfall amount in the last 24 hours (in inches): 0

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [ ]

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	[ ]	Clearing/Demo/Grading	[ ] Infrastructure/storm/roads [ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ] Utilities [ ]
Offsite improvements	[X]	Site temporary stabilized	[ ] Final stabilization [ ]

C. Questions:

1. Were all areas of construction and discharge points inspected? Yes [X] No [ ]
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen Yes [ ] No [X]
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*) Yes [ ] No [ ]
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?* Yes [ ] No [ ]
5. If yes to #4 was it reported to Ecology? Yes [ ] No [ ]
6. Is pH sampling required? pH range required is 6.5 to 8.5. Yes [ ] No [X]

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: 9/3/2020

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	600			EPA Reading
pH	Paper, kit, meter			7.25	

ED_005624_00000046-00050

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?		X		add in quarry spalls		see F.
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X	X SPH				SEE F SW

EH-USA000675

ED_005624_00000046-00051

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X					
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?			X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000676

ED_005624_00000046-00052

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?		X				
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X		X			
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected. ☑

All in place BMPs ☒ All disturbed soils ☑ All concrete wash out area ☐ All material storage areas ☑

All discharge locations ☑ All equipment storage areas ☐ All construction entrances/exits ☑

EH-USA000677

ED_005624_00000046-00053

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
2	Not completed from last week	needs quarry spalls		CK
4	Slope mix for 2:1	cut x-toe slope	9/1/2020	CK
4	Manhole protection	fence around manhole	8/31/2020	CK
8	Conveyance ditch storm	storm 2" covered dirt	9/2/2020	CK
#5	roads graveled, base not completed yet		9/3/2020	CK
		Need to finish gravelling		
		Intend to finish grading gravel (Spy #5)		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Kleffle (Signature) _____ Date: 9/3/2020

Title/Qualification of Inspector: CESCL

Under direction from Steve Goodrich

Steven D Goodrich

ED_005624_00000046-00054

Construction Stormwater Site Inspection Form

Project Name Elkton Permit # WAR300048 Inspection Date 8/27/20 Time 8:30 Am

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Corey Kluppe

Approximate rainfall amount since the last inspection (in inches): 0

Approximate rainfall amount in the last 24 hours (in inches): 0

Current Weather Clear [X] Cloudy [X] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [ ]

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	[ ]	Clearing/Demo/Grading	[ ] Infrastructure/storm/roads [ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ] Utilities [ ]
Offsite improvements	[X]	Site temporary stabilized	[ ] Final stabilization [ ]

C. Questions:

1. Were all areas of construction and discharge points inspected? Yes [X] No [ ]
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen Yes [ ] No [ ]
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*) Yes [ ] No [ ]
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?* Yes [ ] No [X]
5. If yes to #4 was it reported to Ecology? Yes [ ] No [ ]
6. Is pH sampling required? pH range required is 6.5 to 8.5. Yes [ ] No [X]

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.
No discharge took place

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date:

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory	104		7.6	Up Stream pond @ Site 1
pH	Paper, kit, meter				

EH-USA000679

ED_005624_00000046-00055

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X			Constant monitoring		
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?		X		add in quarry spalls		See F.
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X	Private Dirt road		
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X					
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?	X					

EH-USA000680

ED_005624_00000046-00056

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	X					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X	Forest Treated flows		
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X					
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?		X		left side bank needs PAM CRB or protection		Needs to have protection in place
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?		X				
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?	X					
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	X					
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?			X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000681

ED_005624_00000046-00057

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X	none generated		
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.	X					
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X					
	Were there any clean non turbid dewatering discharges?		X				
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X			Bio treat outside work area		
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X			" "		
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.	X					

E. Check all areas that have been inspected. ✓

All in place BMPs ☑ All disturbed soils ☑ All concrete wash out area ☑ All material storage areas ☑
All discharge locations ☑ All equipment storage areas ☑ All construction entrances/exits ☑

EH-USA000682

ED_005624_00000046-00058

Construction Stormwater Site Inspection Form

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
2	Access US & DS to river	needs gunny sack		
4	Slope east bank behind trailer	needs to be completed being looked @ for design		
4	Manhole protection	needs to be designed & completed. to be completed 8/28/2020		
8	Along conveyance ditch	add Soil Erosion protection		
	Per Carol Sender for road	needs to gravelled or equivalent & resurface road.		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Corey Kleffe (Signature) [signature] Date: 8/27/2020

Title/Qualification of Inspector: CESCL / Eco 3 trainee

Under Steve Goodrich

EH-USA000683

ED_005624_00000046-00059

Construction Stormwater Site Inspection Form

Project Name INTAKE Permit # WAR 306048 Inspection Date week of 6th Time Daily

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven Gasparich

Approximate rainfall amount since the last inspection (in inches): #0

Approximate rainfall amount in the last 24 hours (in inches): #0

Current Weather Clear [X] Cloudy [X] Mist [ ] Rain [ ] Wind [ ] Fog [ ] SCATTER CLO

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [X]

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls
Concrete pours
Offsite improvements

[ ] Clearing/Demo/Grading
[ ] Vertical Construction/buildings
[X] Site temporary stabilized

[X] Infrastructure/storm/roads
[ ] Utilities
[ ] Final stabilization

C. Questions:

1. Were all areas of construction and discharge points inspected? Yes [X] No [ ]
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen Yes [X] No [ ]
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*) Yes [X] No [ ] see by
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?* Yes [ ] No [ ]
5. If yes to #4 was it reported to Ecology? Yes [ ] No [X] Always
6. Is pH sampling required? pH range required is 6.5 to 8.5. Yes [ ] No [X]

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.
Discharge water was clearer than river, water normally turbid for River)

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date:

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000684
ED_005624_00000046-00060

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected yes	BMPs Inspected no	BMPs Inspected n/a	BMP needs maintenance	BMP failed	Action required (describe in section F)
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X	x		FLAGGED Limit		ADD Rubble @ Entrance [illegible]
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.		X		Dirt Road		
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X			Clean silt Fix check dams		Being up graded
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?						
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					Control outlet Rock Bank EDGE Silt Fence
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X			Remove silt fix check dams		
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X		Work remains		-FINISH STOB -GROUT Back Row -NETTING MAY BE Needed FIGURE

EH-USA000685

ED_005624_00000046-00061

Construction Stormwater Site Inspection Form

Project Name INTAKE Permit # WAR 306648 Inspection Date week of 16th Time DAILY

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: STEVEN Gasoreck

Approximate rainfall amount since the last inspection (in inches): #0

Approximate rainfall amount in the last 24 hours (in inches): #0

Current Weather Clear [X] Cloudy [X] Mist [ ] Rain [ ] Wind [ ] Fog [ ] SCATTER C9.0

A. Type of inspection: Weekly [X] Post Storm Event [ ] Other [X]

B. Phase of Active Construction (*check all that apply*):

Pre Construction/installation of erosion/sediment controls	[ ] Clearing/Demo/Grading	[X] Infrastructure/storm/roads	[ ]
Concrete pours	[ ] Vertical Construction/buildings	[ ] Utilities	[ ]
Offsite improvements	[X] Site temporary stabilized	[ ] Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes [X]	No [ ]
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes [X]	No [ ]
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes [X]	No [ ] see b/
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less?*	Yes [ ]	No [ ]
5. If yes to #4 was it reported to Ecology?	Yes [ ]	No [X] Always
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes [ ]	No [X]

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

Discharge water was clearer than river, water normally turbid from River

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date:

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000686

ED_005624_00000046-00062

Construction Stormwater Site Inspection Form

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected yes	no	n/a	BMP needs maintenance	BMP failed	Action required (describe in section F)
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X			FLAGGED Limit		ADD [illegible] Gen Trans [illegible]
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.		X		Dirt Road		
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X			Clean silt Fix check dams		BEING UP GRADED
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?						
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).	X					[illegible] Control outlet
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.	X					Rock [illegible] EDGE Silt Fen
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.	X			Remove silt fix check dams		
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X		Work remains		-FINISH STAB -GRADE Back Ro -NETTING MAY BE Need to Finish

EH-USA000687

ED_005624_00000046-00063

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?	Ø					
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?	X			ADJACT with Exposed Rock		MAINTAIN CHECK DAMS
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X	X		Down Pour de		
	Are existing storm drains within the influence of the project protected?			X			
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?	X			Pumping is Peak		
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?		X		NEED Pickup		
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?	—					
	Has secondary containment been provided capable of containing 110% of the volume?	—					
	Were contaminated surfaces cleaned immediately after a spill incident?			X			
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000688

ED_005624_00000046-00064

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			✓			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			✓			
	Dewatering has been done to an approved source and in compliance with the SWPPP.			✓			
	Were there any clean non turbid dewatering discharges?		X	✓	NO DEWATER		
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?						
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X					
	Has the SWPPP been updated, implemented and records maintained?	X					
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X			TAKEN OF LINE		
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?			X			
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

E. Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [X] All material storage areas [ ]

All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [ ]

EH-USA000689

ED_005624_00000046-00065

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
5	SLOPE COVERED - Netting Might	BE WARRENTED		
3-5	MAINTAIN SEDIMENT POND -			
4-10	FIX DIVIDERS & OUTLET	- TEST (FINISH)		
7	POND INLET SEDIMENT	AROUND MANHOLE		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief" 8-16/20

Inspected by: (print) STEVEN P Goodpaster PE (Signature) [signature] PE Date: 8/13-16/20

Title/Qualification of Inspector: CESCL

EH-USA000690

ED_005624_00000046-00066

Monthly Erosion & Sediment Control Report

Date: 8/17

Permit #WAR 306648

Electron Hydro Diversion Repair, Spillway Replacement and Bank Protection

Job Site Contact: Steven Goodrich 360-746-3420
sgoodrich@electronhydro.com

Is the site in compliance with the SWPPP and the permit requirements?	Yes	(No)
If no, has non-compliance been reported to WSDOE?	(Yes)	No
Will existing BMPs need to be modified, removed, or other BMPs installed?	(Yes)	No

Items to be Completed, Maintained or Modified	Date Completed
• Pull slopes back & pour steps	
• check dams spaced with 2"-4"	
• check on rubber write BMP & cleanup	
steps for dry land	
• bedrock grate barrier	
• fix fence in pond adjust outfall	
• stockpile fix for no runnoff	
• stock pile sand & gravel	
• fix concrete wash out	
• check volumes of double lift	
• get paper work together	
• need construction access	
• street sweeper	

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Describe discharging stormwater – None from upland

Visual change in Turbidness Yes (No) _____ %

Discoloration Yes (No) Cause _____

Oil Sheen Yes (No) Cause _____

Water Quality Monitoring Turbidity (Yes) No if yes results attached – see log

Was concrete being done pH Yes (No) if yes results attached.

Materials needed for next 7 days	Quanity
Wattles	±100 Ft
4 Cf Gravel 2" to 4"	4 C.Y.

Comments: _____

_____

_____

_____

_____

Signed: _____ Date: _____

ECO-3-5181809

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ED_005624_00000046-00069

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Date	Day	Sampler	Time	Location	Turb1	Turb2	Turb3	Turb4	Turb Avg. (cm)	NTU	△ NTU	change from background
2	7/15/2020	Wednesday	MV	8:10	Bridge Washout	5.4	5.2			5.3			
3				9:00	Acclimation Pond	4.5	4.2			4.35		0.95	(0.18)
4				14:40	Bridge Washout	8.2	8.1			8.15	175		
5				15:30	Acclimation Pond	6	6.4	6		6.13	245	70	(0.25)
6	7/18/2020	Saturday	MV	12:15	Bridge Washout	7.6	8	8		7.87	87		
7				12:45	Acclimation Pond	7.2	7.2			7.2	109	22	(0.09)
8	7/21/2020	Tuesday	MV	12:00	Bridge Washout	5.6	6.2	5.9	5.8	5.88	156		
9				12:45	Acclimation Pond	4.2	4.2	4.4		4.27	197	41	(0.27)
10	7/23/2020	Thursday	CK	NA	Bridge Washout	~8				8			
11				NA	Acclimation Pond	~6				6			(0.25)
12	7/24/2020	Friday	MV	9:25	Acclimation Pond	5.4	5.3	5.5		5.4	170		
13				11:20	Bridge Washout	4	4	4.2		4.07	194	24	(0.25)
14	7/30/2020	Thursday	MV	8:45	Bridge Washout	4.4	4.2	4.5		4.37	>200		
15				9:15	Acclimation Pond	3.6	3.5	3.4		3.5	>200		(0.20)
16	7/31/2020	Friday	MV	7:45	Bridge Washout	1.4	1.2	1.5		1.37	>200		
17				8:15	Acclimation Pond	1.2	1.2	1.2		1.2	>200		(0.12)
18	8/1/2020	Saturday	MV	13:15	Bridge Washout	4.2	4.2	4		4.13	>200		
19				14:00	Acclimation Pond	4.2	5	4.8	4.2	4.55	>200		0.10
20				14:15	Staff Gage	3.6	3.8	3.8		3.73	>200		
21	8/3/2020	Monday	MV	9:15	Bridge Washout	6.6	6.8	6.6		6.67	108		
22				10:00	15mDSAccPond	5.6	5.8	5.6		5.67			(0.15)
23				10:15	Staff Gage	6.4	6.2	6.4		6.33	108	0	
24	8/5/2020	Wednesday	MV	9:52	Bridge Washout	6.9	7.4	7.2		7.17	116		
25				8:15	5mUSAccPond	6.4	6.8	6.2	6.5	6.48			(0.10)
26				8:30	Staff Gage	5.6	5.2	5.6	5.4	5.4	134	-18	
27	8/6/2020	Thursday	MV	10:35	Bridge Washout	9.9	10.4	10		10.1	75.3		
28				11:15	AccPondEffluent	0.6	0.6			0.6			(0.94)
29				11:20	5mUSAccPond	11	10.6	10.8		10.8			
30				11:30	Staff Gage	9	9.2	9.5	8.8	9.13	88.5	13.2	
31	8/7/2020	Friday	MV	10:30	Bridge Washout	12.2	12.5	10.7	11.8	11.8	61		
32				11:00	AccPondEffluent	7.8	7.9	7.9		7.87			(0.33)
33				11:10	5mUSAccPond	12.5	12.7	11.6	11.8	12.15			
34				11:25	Staff Gage	10.8	11.3	11		11.03	58.2	-2.8	
35				12:50	New Riverbed Settling	12	11.4	10.8	10.4	11.15			
36													
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52													

GOOD

GOOD

GOOD

GOOD

GOOD

EH-USA000693

Jobsite: LX Tahoe **:** **Permit #** WAR 306648 **Report Date/ Time** 8/11/20

Site Inspection Checklist

G=Good F=Fair P=Poor Y=Yes N=No

Site BMPs	Overall Condition	Need Repair?	Comments/Observations
Clearing Limits			
• *Buffer Zones around sensitive areas*	G F P	Y N	
• *Clearling Limits Identified*	G F P	Y N	Add Barrier Line BY TRAILER
•	G F P	Y N	
Construction Access/Roads			
• *Stablized Construction Enterance / Exit*	G F P	Y N	
• *Stabilized roads/parking area*	G F P	Y N	
•	G F P	Y N	
Control Flow Rates			
• *Swale*	G F P	Y N	check check dam
• *Dike*	G F P	Y N	
• *Sediment pond*	G F P	Y N	Pull hay out replace @ EF Check
• *Sediment trap*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Install Sediment Controls			
• *Sediment pond/trap*	G F P	Y N	new check divide
• *Silt fence*	G F P	Y N	GET ON ASAP
• *Wattles*	G F P	Y N	GET ON Hay
• *Interceptor Dike or Swale*	G F P	Y N	
• *Vegitative Filtration*	G F P	Y N	
•	G F P	Y N	
Preserve Vegetation/Stabilize Soils			
• *Nets and blankets*	G F P	Y N	
• *Mulch*	G F P	Y N	
• *Seeding*	G F P	Y N	Not Yet
•	G F P	Y N	
•	G F P	Y N	
Protect Slopes			
• *Terrace*	G F P	Y N	Along slope Rip Rock put in
• *Pipe slope drains*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Protect Drain Inlets			
• *Inserts*	G F P	Y N	INSTALL AT BEE HIVE
•	G F P	Y N	
•	G F P	Y N	
Stabilize Channels and Outlets			
• *Conveyance channels*	G F P	Y N	Check
• *Energy dissipators*	G F P	Y N	INSTALL CHECKS
•	G F P	Y N	
Control Pollutants			
• *Chemical Storage Area covered*	G F P	Y N	
• *Concrete handling*	G F P	Y N	FIX UP
•	G F P	Y N	
Control De-watering			
•	G F P	Y N	Do it upslope

Rainfall Chart

Jobsite_____ Name _____

Date	Precipitation	Rain / Sleet / Snow	Temperature

ED_005624_00000046-00071

Jobsite: INTAKE : Permit # 302648 Report Date/ Time 8/7/20

Site Inspection Checklist

Site BMPs	Overall Condition	Need Repair?	Comments/Observations
Clearing Limits			
• *Buffer Zones around sensitive areas*	G F P	Y N	
• *Clearing Limits Identified*	G F P	(Y) N	RIBBON DAY or TWO
•	G F P	Y N	
Construction Access/Roads			
• *Stablized Construction Enterance / Exit*	(G) F P	Y (N)	
• *Stabilized roads/parking area*	(G) F P	Y (N)	
•	(G) F P	Y (N)	
Control Flow Rates			
• *Swale*	(G F) P	Y (N)	CHECK DAMS 8" -5/8" BOTTOM/AG.
• *Dike*	G F P	Y N	
• *Sediment pond*	G F P	(Y) N	STRAW DIVIDE QUESTION NEED REDO
• ~~*Sediment trap*~~	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Install Sediment Controls			
• *Sediment pond/trap*	G F P	(Y) N	MONTH
• *Silt fence*	G F P	(Y) N	GET
• *Wattles*	G F P	(Y) N	GET
• *Interceptor Dike or Swale*	(G) F P	Y (N)	SLOWER IT IS
• *Vegitative Filtration*	G F P	Y N	
•	G F P	Y N	
Preserve Vegetation/Stabilize Soils			
• *Nets and blankets*	G F P	Y (N)	
• *Mulch*	G F P	Y (N)	
• *Seeding*	G F P	Y (N)	
•	G F P	Y (N)	
•	G F P	Y (N)	
Protect Slopes			
• *Terrace*	G F P	Y N	
• *Pipe slope drains*	G F (P)	Y N	FILL CUT OFF
•	G F P	Y N	
•	G F P	Y N	
Protect Drain Inlets			
• *Inserts*	G F (P)	(Y) N	GET DOWN
•	G F P	Y N	
•	G F P	Y N	
Stabilize Channels and Outlets			
• *Conveyance channels*	G F P	Y (N)	SLOWER.
• *Energy dissipators*	G F P	Y N	
•	G F P	Y N	
Control Pollutants			
• *Chemical Storage Area covered*	G F P	Y N	
• *Concrete handling*	G F P	Y N	
•	G F P	Y N	
Control De-watering			
•	G F P	(Y) N	WORK PLAN

Rainfall Chart

Jobsite_____ Name _____

Date	Precipitation	Rain / Sleet / Snow	Temperature

ED_005624_00000046-00073

Jobsite: Irvine : **Permit #** 306698 **Report Date/ Time** 8/6/20

Site Inspection Checklist

Site BMPs	Overall Condition	Need Repair?	Comments/Observations (G=Good F=Fair P=Poor Y=Yes N=No)
Clearing Limits			
• *Buffer Zones around sensitive areas*	G F P	Y (N)	
• *Clearling Limits Identified*	G F P	(Y) N	FLAGGING
•	G F P	Y N	
Construction Access/Roads			
• *Stablized Construction Enterance / Exit*	(G) F P	Y (N)	
• *Stabilized roads/parking area*	(G) F P	Y (N)	
•	(G) F P	Y (N)	
Control Flow Rates			
• *Swale*	G F P	(Y) N	SLOW DOWN FLOW
• *Dike*	G F P	Y N	
• *Sediment pond*	G F P	Y N	
• ~~*Sediment trap*~~	G F P	(Y) N	DIVIDE POND INTAKE HOSE
•	G F P	Y N	N
•	G F P	Y N	
Install Sediment Controls			
• *Sediment pond/trap*	G F P	Y N	DIVIDE — REVISE
• *Silt fence*	G F P	Y N	GET
• *Wattles*	G F P	Y N	GET
• *Interceptor Dike or Swale*	G F P	Y N	NOT YET
• *Vegitative Filtration*	G F P	Y N	NOT YET
•	G F P	Y N	
Preserve Vegetation/Stabilize Soils			
• *Nets and blankets*	G F P	Y N	NOT YET
• *Mulch*	G F P	Y N	
• *Seeding*	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Protect Slopes			
• ~~*Terrace*~~	G F P	Y N	
• ~~*Pipe slope drains*~~	G F P	Y N	
•	G F P	Y N	
•	G F P	Y N	
Protect Drain Inlets			
• *Inserts*	G F P	(Y) N	MANHOLE — ?
•	G F P	Y N	
•	G F P	Y N	
Stabilize Channels and Outlets			
• *Conveyance channels*	G (F) P	(Y) N	CHECK DAMS IN ROW DIR — NOW
• ~~*Energy dissipators*~~	G F P	Y N	
•	G F P	Y N	
Control Pollutants			
• *Chemical Storage Area covered*	G F P	~~Y~~ ~~N~~	
• *Concrete handling*	G F P	~~Y~~ ~~N~~	
• MORE DIAPERS	G F P	(Y) N	
Control De-watering			
•	G F (P)	(Y) N	DEWATER TREAT MORE IMPROVE CHECKDAM, DISPERSE

NEW METER FOR VTU 7500

Look at BIOCONTACT AFTER EVACUATION

ED_005624_00000046-00074

Rainfall Chart

Jobsite_____ Name _____

Date	Precipitation	Rain / Sleet / Snow	Temperature

ED_005624_00000046-00075

Monthly Erosion & Sediment Control Report

Date: 7/2020

Permit #WAR 306648

Electron Hydro Diversion Repair, Spillway Replacement and Bank Protection

Job Site Contact: Steven Goodrich 360-746-3420
sgoodrich@electronhydro.com

Is the site in compliance with the SWPPP and the permit requirements?	Yes	No
If no, has non-compliance been reported to WSDOE?	Yes	No
Will existing BMPs need to be modified, removed, or other BMPs installed?	Yes	No

Items to be Completed, Maintained or Modified	Date Completed
CHECK DAMS	
INLET PROTECT - BEEHIVE - INTAKE	
RE IDENTIFY LIMITS	
SET WATTLES ON SLOPES	
DIVIDE POND - REDO WITH ELITE FABRIC	
GET SILT FENCING	
GET WATTLES	8-1-20
? Cofferdam	

NOT ON SITE YET Work Fish screen

ED_005624_00000046-00076

Describe discharging stormwater

Visual change in Turbidness (Yes) No _____ %

Discoloration (Yes) No Cause Silt Fan

Oil Sheen Yes No Cause _____

Water Quality Monitoring Turbidity (Yes) No if yes results attached

Was concrete being done pH Yes (No) if yes results attached.

Materials needed for next 7 days	Quanity
Silt Fence	300 LF
Wattles	20 6-45
Marking Flagging Bright	3 Rolls
Gravel	

Comments: Monitor All elements For Efficiency make changes, high silt so removal Expected in week or two, look for land disposal site

Signed: Shan Date: 9/11/20

ECO-3-5181809

ED_005624_00000046-00077

Monthly Erosion & Sediment Control Report

Date: JAN, FEB, MARCH APRIL, MAY JUNE 2020

Permit #WAR 306648

Electron Hydro Diversion Repair, Spillway Replacement and Bank Protection

Job Site Contact: Steven Goodrich 360-746-3420
sgoodrich@electronhydro.com

Is the site in compliance with the SWPPP and the permit requirements?	(Yes)	No
If no, has non-compliance been reported to WSDOE?	Yes	No
Will existing BMPs need to be modified, removed, or other BMPs installed?	Yes	(No)

Items to be Completed, Maintained or Modified	Date Completed
MATERIAL FOR BMP'S 2020 SEE	
JULY REPORT	
- FILTER FENCE INITIAL DURING IN WATER WOR	
- WATTLES → PLACE AS BUILT	
- FLAGGING →	
- GRAVEL - RETHER CHECK DAMS AS BUILT	8/20

ED_005624_00000046-00078

Describe discharging stormwater

Visual change in Turbidness Yes No _____ %

Discoloration Yes No Cause _____

Oil Sheen Yes No Cause _____

Water Quality Monitoring Turbidity Yes No if yes results attached

Was concrete being done pH Yes No if yes results attached.

Materials needed for next 7 days	Quanity

Comments: Site Preparation Directed By Thom Fisher
Site Stabilized With fractured rock for work
Areas shown on Permit. Sediment Basin
Expanded will be Dwide And Monitore. Use in
Spring to Acclimate Chinook

Signed: Steve Rydholm PE Date: 8/11/20

ECO-3-5181809

ED_005624_00000046-00079

NO.	DATE	REVISION	BY	CK
1	05/22/19	CSWPPP	SPG	
2	9/13/19	2019 Work Edits	SPG	
3	7/9/19	2019 Work Edits	SPG	
4	8/4/20	DRAFT	SPG	

Lochon HYDRO

DIVERSION REPAIR, SPILLWAY REPLACEMENT AND BANK PROTECTION

CSWPPP SITE WORK & GRADING PLAN

PIERCE COUNTY WASHINGTON

DESIGN: TS
DRAWN: SpG
CHECKED: TAF
DATE: 8/4/2020
JOB#: 1101900

SHEET 05 OF 9

DRAWING 05

DATE & TIME PLOTTED ON: August 10, 2020 03:10

FILE NAME & LOCATION: R:\Projects\1101900\Design\Drawings\Sheets\CSWPPP-GRADE\SITE_Cover_Sheet-Grading.dwg

ED_005624_00000046-00080

EH-USA000704

Maintenance History

Dewatering Work Notes

Original concept, 2017, was to install a 24" to 36" vertical perforated pipe to collect water. Then pump the water to an pretreatment system which would discharge to a system of Spreader Pipes in the wooded shore area. This was upgraded to an infiltration gallery, where rock was stored, to allow infiltration and overflow into the woods.

In 2019 the wooded shore area was observed. It was agreed upon by staff and agency personnel it should not be disturbed and protected as much as possible. In July edits were made based on observed groundwater during 2018 work to form a larger dewatering infiltration gallery without spreader pipes to discharge into the wooded shore area. A shallow depression divided into cells to allow flow through and out the sides at various points if necessary. This would limit impacts on the wooded shore area.

During the early 2019 work observations of the soil and groundwater conditions indicated that using a sediment pond to remove sediment and allow shallow infiltration into local soils might perform the best. The interconnection of the river and groundwater showed the importance of allow removed water back in the river. A deeper sediment pond allowing infiltration not at the surface but in the shallow soil seems more indicative to maintaining a balance. To obtain the sediment pond recipe the depth should be at least 4.5' and less than 7' with an oversized outlet pipe installed. Discharge into the existing manmade floodgate discharge channel seemed the most appropriate.

The pond was excavated farther downstream from plan and retrofitted to a fish acclimation for spring and then retrofitted to a sedimentation pond for work.

EH-USA000705

ED_005624_00000046-00081

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 1/14/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000706

ED_005624_00000046-00082

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

EH-USA000707

ED_005624_00000046-00083

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000708

ED_005624_00000046-00084

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X		X			See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

. Check all areas that have been inspected. ✔

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]
All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

ED_005624_00000046-00085

Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4 6 10	Upper landing and roads to intake and flood gate	Maintenance under progress.	2020 still	spg

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

Program of operations and maintenance continues work surfaces as weather willing. The work to be done to address conditions found with site engineer handling all sediment and erosion control. Basics discussed for action during work.

No discharge observed by Thom and Corey visual inspection of shore found no point discharge except pond passing clear groundwater with check dams and wattle put in path.

EH-USA000710

ED_005624_00000046-00086

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 2/14/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000711

ED_005624_00000046-00087

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

ED_005624_00000046-00088

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

EH-USA000713

ED_005624_00000046-00089

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X		X			See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

Check all areas that have been inspected. ✔

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]
All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

EH-USA000714

ED_005624_00000046-00090

Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4 6 10	Upper landing and roads to intake and flood gate	Maintenance under progress.	2020 still	spg

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

Program of operations and maintenance continues work surfaces as weather willing. The work to be done to address conditions found with site engineer handling all sediment and erosion control. Basics discussed for action during work.

No discharge observed by Thom and Corey visual inspection of shore found no point discharge except pond passing clear groundwater with check dams and wattle put in path.

ED_005624_00000046-00091

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 3/13/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000716

ED_005624_00000046-00092

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

ED_005624_00000046-00093

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			

ED_005624_00000046-00094

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X		X			See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]
All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

EH-USA000719

ED_005624_00000046-00095

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4 6 10	Upper landing and roads to intake and flood gate	Maintenance under progress.	2020 still	spg

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

Program of operations and maintenance continues work surfaces as weather willing. The work to be done to address conditions found with site engineer handling all sediment and erosion control. Basics discussed for action during work.
No discharge observed by Thom and visual inspection of shore found no point discharge except pond passing clear groundwater with check dams and wattle put in path.

EH-USA000720

ED_005624_00000046-00096

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 4/14/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000721

ED_005624_00000046-00097

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

ED_005624_00000046-00098

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			To be added.

EH-USA000723

ED_005624_00000046-00099

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			To be added for patch plant.
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X		X			See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]

EH-USA000724

ED_005624_00000046-00100

Construction Stormwater Site Inspection Form

All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

6. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4 6 10	Upper landing and roads to intake and flood gate	Maintenance under progress.	2020 still	spg

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

Work slowed down due to pandemic.

Program of operations and maintenance continues work surfaces as weather willing. The work to be done to address conditions found with site engineer handling all sediment and erosion control. Basics discussed for action during work.

No discharge observed by Thom and Corey.

EH-USA000725

ED_005624_00000046-00101

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 5/14/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE & Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000726

ED_005624_00000046-00102

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

EH-USA000727

ED_005624_00000046-00103

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			To be added.

EH-USA000728

ED_005624_00000046-00104

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			To be added for patch plant.
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X		X			See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]

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Construction Stormwater Site Inspection Form

All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4 6 10	Upper landing and roads to intake and flood gate	Maintenance under progress.	2020 still	spg
	Manhole on flume ditch	Pond created needs to be stabilized and the manhole need inlet protection when finished with regrading area.		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

Work slowed down due to pandemic. Work to progress till in water work observations are being made daily for old SWPPP as new one is formed to reflect the new site conditions.
Ditch upstream of flume graded into nice Vee shape and wall water entering infiltrating before manhole at bottom.
No discharge observed by Thom and Corey.

EH-USA000730

ED_005624_00000046-00106

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 07/17/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE & Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000731

ED_005624_00000046-00107

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

EH-USA000732

ED_005624_00000046-00108

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			To be added. Once it is known

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			To be added for patch plant.
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X		X			See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]

EH-USA000734

ED_005624_00000046-00110

Construction Stormwater Site Inspection Form

All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

F. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4 6 10	Upper landing and roads to intake and flood gate	Maintenance under progress.	2020 still	spg

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

In water work to start and staging is in progress. Maintenance still being done on old roadbed .nd gravel ditch uphill of flume is large Vee shape has been changed to allow forms to be stored, all water still infiltrating. (Water is from flume sides and jumps over the top). Work to progress till in water work. Observations are being made daily for discharge and erosion. Site work is still being done. Stabilize the park side slopes and clean rock is visible on top and on all roads.

No discharge observed by Thom and Corey.

EH-USA000735

ED_005624_00000046-00111

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 07/08/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE & Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
3. Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000736

ED_005624_00000046-00112

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

EH-USA000737

ED_005624_00000046-00113

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?			X			
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			To be added. Once it is known

EH-USA000738

ED_005624_00000046-00114

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.			X			To be added for patch plant.
	Dewatering has been done to an approved source and in compliance with the SWPPP.	X		X			See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?	X					
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]

EH-USA000739

ED_005624_00000046-00115

Construction Stormwater Site Inspection Form

All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

r. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4 6 10	Upper landing and roads to intake and flood gate	Maintenance under progress.	2020 still	spg

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

In water work to start and staging is in progress. Maintenance still being done on old roadbed and gravel ditch uphill of flume is large Vee shape has been changed to allow forms to be stored, all water still infiltrating. (Water is from flume sides and jumps over the top). Work to progress till in water work. Observations are being made daily for discharge and erosion. Site work is still being done. Stabilize the park side slopes and clean rock is visible on top and on all roads.

No discharge observed by Thom and Corey.

EH-USA000740

ED_005624_00000046-00116

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 07/15/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE & Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000741

ED_005624_00000046-00117

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X				**See 4**
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X				**See 4 trap not designed and pond finish.**
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X				

ED_005624_00000046-00118

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X			See 6
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?		X				See 8 need design to be done.
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			To be added. Once it is known

EH-USA000743

ED_005624_00000046-00119

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.		X				To be added for patch plant.
	Dewatering has been done to an approved source and in compliance with the SWPPP.		X		More pits to pump and deeper, restrain soils (being done)	X	See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?		X				
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

E. Check all areas that have been inspected. ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]

EH-USA000744

ED_005624_00000046-00120

Construction Stormwater Site Inspection Form

All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

r. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4	In-water and down at lower level	Accidental sediment trap needs outlet protection and should be designed to provide cells		
6	Conveyance ditch	Ditch not designed but constructed might be to small, need to break up flow and determine volumetric flow.		
10	Sediment for dewatering	Dewatering pumping done routed to sedimentation basin, need cells to be formed gravel preferred but hay bales tried first. Dewatering will require multiple interception pits deeper than work levels with possible interconnection with trench or wall. Soils must be restrained before any water is removed to prevent expected flows (see soil investigation from August 2019 and SWPPP notes.)		

Attach additional page if needed

gn the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

In water work started Corey on site for monitoring. Actions in water where sand not used to buffer the HDPE.

Down at site for Stop Work action day of arrival. Maintenance still being done on old roadbed and gravel ditch built uphill of flume is rectangular undersized very high velocities. Work in water work started failure of dewatering.

Observations are being made daily for discharge and erosion with turbidity taken at pond location. High loads of saturated fines covering road rock surface.

ED_005624_00000046-00121

Construction Stormwater Site Inspection Form

Project Name ELECTRON INTAKE Permit # WAR306648 Inspection Date 08/08/2020 Time _____

Name of Certified Erosion Sediment Control Lead (CESCL) or qualified inspector if *less than one acre*
Print Name: Steven P Goodrich PE & Corey Kleppe

Approximate rainfall amount since the last inspection (in inches): _____

Approximate rainfall amount in the last 24 hours (in inches): _____

Current Weather Clear [X] Cloudy [ ] Mist [ ] Rain [ ] Wind [ ] Fog [ ]

A. Type of inspection: Weekly/Monthly [X] Post Storm [ ] Other [X]

B. Phase of Active Construction (*check all that apply*): Permit received 8/15/18 for in-water work. End 2018 Work
Facility operational, and maintenance of the facility continuing.

Pre Construction/installation of erosion/sediment controls	[X]	Clearing/Demo/Grading	[X]	Infrastructure/storm/roads	[ ]
Concrete pours	[ ]	Vertical Construction/buildings	[ ]	Utilities	[ ]
Offsite improvements	[ ]	Site temporary stabilized	[ ]	Final stabilization	[ ]

C. Questions:

1. Were all areas of construction and discharge points inspected?	Yes X	No ___
2. Did you observe the presence of suspended sediment, turbidity, discoloration, or oil sheen	Yes ___	No X
Was a water quality sample taken during inspection? (*refer to permit conditions S4 & S5*)	Yes ___	No X
4. Was there a turbid discharge 250 NTU or greater, or Transparency 6 cm or less? *	Yes ___	No ___
5. If yes to #4 was it reported to Ecology?	Yes ___	No ___
6. Is pH sampling required? pH range required is 6.5 to 8.5.	Yes ___	No X

If answering yes to a discharge, describe the event. Include when, where, and why it happened; what action was taken, and when.

_____

_____

_____

_____

*If answering yes to # 4 record NTU/Transparency with continual sampling daily until turbidity is 25 NTU or less/ transparency is 33 cm or greater.

Sampling Results: Date: _____

Parameter	Method (circle one)	Result			Other/Note
		NTU	cm	pH	
Turbidity	tube, meter, laboratory				
pH	Paper, kit, meter				

EH-USA000746

ED_005624_00000046-00122

D. Check the observed status of all items. Provide "Action Required "details and dates.

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
1 Clearing Limits	Before beginning land disturbing activities are all clearing limits, natural resource areas (streams, wetlands, buffers, trees) protected with barriers or similar BMPs? (high visibility recommended)	X					
2 Construction Access	Construction access is stabilized with quarry spalls or equivalent BMP to prevent sediment from being tracked onto roads?	X					
	Sediment tracked onto the road way was cleaned thoroughly at the end of the day or more frequent as necessary.			X			
3 Control Flow Rates	Are flow control measures installed to control stormwater volumes and velocity during construction and do they protect downstream properties and waterways from erosion?	X					
	If permanent infiltration ponds are used for flow control during construction, are they protected from siltation?			X			
4 Sediment Controls	All perimeter sediment controls (e.g. silt fence, wattles, compost socks, berms, etc.) installed, and maintained in accordance with the Stormwater Pollution Prevention Plan (SWPPP).		X		X		See 4
	Sediment control BMPs (sediment ponds, traps, filters etc.) have been constructed and functional as the first step of grading.		X		X		See 4 trap not designed and pond finish.
	Stormwater runoff from disturbed areas is directed to sediment removal BMP.			X			
5 Stabilize Soils	Have exposed un-worked soils been stabilized with effective BMP to prevent erosion and sediment deposition?		X		X		Need to mulch and cover all areas work in progress

ED_005624_00000046-00123

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
5 Stabilize Soils Cont.	Are stockpiles stabilized from erosion, protected with sediment trapping measures and located away from drain inlet, waterways, and drainage channels?	X					
	Have soils been stabilized at the end of the shift, before a holiday or weekend if needed based on the weather forecast?			X			
6 Protect Slopes	Has stormwater and ground water been diverted away from slopes and disturbed areas with interceptor dikes, pipes and or swales?			X			
	Is off-site storm water managed separately from stormwater generated on the site?			X			
	Is excavated material placed on uphill side of trenches consistent with safety and space considerations?	X					
	Have check dams been placed at regular intervals within constructed channels that are cut down a slope?		X	X	**Install in all ditches**		**See 6, Install**
7 Drain Inlets	Storm drain inlets made operable during construction are protected.	X					
	Are existing storm drains within the influence of the project protected?	X					
8 Stabilize Channel and Outlets	Have all on-site conveyance channels been designed, constructed and stabilized to prevent erosion from expected peak flows?		X				See 8 need design to be done.
	Is stabilization, including armoring material, adequate to prevent erosion of outlets, adjacent stream banks, slopes and downstream conveyance systems?	X					
9 Control Pollutants	Are waste materials and demolition debris handled and disposed of to prevent contamination of stormwater?			X			
	Has cover been provided for all chemicals, liquid products, petroleum products, and other material?			X			
	Has secondary containment been provided capable of containing 110% of the volume?	X					
	Were contaminated surfaces cleaned immediately after a spill incident?	X					
	Were BMPs used to prevent contamination of stormwater by a pH modifying sources?			X			To be added. Once it is known

EH-USA000748

ED_005624_00000046-00124

Construction Stormwater Site Inspection Form

Element #	Inspection	BMPs Inspected			BMP needs maintenance	BMP failed	Action required (describe in section F)
		yes	no	n/a			
9 Cont.	Wheel wash wastewater is handled and disposed of properly.			X			
10 Control Dewatering	Concrete washout in designated areas. No washout or excess concrete on the ground.		X		X fix up and install		To be added for patch plant.
	Dewatering has been done to an approved source and in compliance with the SWPPP.		X		More pits to pump and deeper, restrain soils (being done)	X	See 10
	Were there any clean non turbid dewatering discharges?			X			
11 Maintain BMP	Are all temporary and permanent erosion and sediment control BMPs maintained to perform as intended?		X				
12 Manage the Project	Has the project been phased to the maximum degree practicable?	X					
	Has regular inspection, monitoring and maintenance been performed as required by the permit?	X			Daily observation for most of week, no rain		
	Has the SWPPP been updated, implemented and records maintained?	X			Notes in field books maintained		
13 Protect LID	Is all Bioretention and Rain Garden Facilities protected from sedimentation with appropriate BMPs?	X					
	Is the Bioretention and Rain Garden protected against over compaction of construction equipment and foot traffic to retain its infiltration capabilities?	X					
	Permeable pavements are clean and free of sediment and sediment laden-water runoff. Muddy construction equipment has not been on the base material or pavement.			X			
	Have soiled permeable pavements been cleaned of sediments and pass infiltration test as required by stormwater manual methodology?			X			
	Heavy equipment has been kept off existing soils under LID facilities to retain infiltration rate.			X			

E. **Check all areas that have been inspected.** ✓

All in place BMPs [X] All disturbed soils [X] All concrete wash out area [ ] All material storage areas [X]

EH-USA000749

ED_005624_00000046-00125

Construction Stormwater Site Inspection Form

All discharge locations [X] All equipment storage areas [X] All construction entrances/exits [X]

r. Elements checked "Action Required" (section D) describe corrective action to be taken. List the element number; be specific on location and work needed. Document, initial, and date when the corrective action has been completed and inspected.

Element #	Description and Location	Action Required	Completion Date	Initials
4	In-water and down at lower level	Accidental sediment trap needs outlet protection and should be designed to provide cells		
6	Conveyance ditch	Get rock for check dams use on hand to determine velocity and provide something for armor till get rock 2" to 4"		
10	Sediment for dewatering	Sediment pond install barriers per owner then rebuild with fence. Correct errors. Removed from involvement in dewatering other than draw locations per Thom.		

Attach additional page if needed

Sign the following certification:

"I certify that this report is true, accurate, and complete, to the best of my knowledge and belief"

Inspected by: (print) Steven Goodrich, PE (Signature) Steven P Goodrich Date: 9/16/2020

Title/Qualification of Inspector: CESCL & SWPPP designer

This information is restoration of field book and calendar notes for period before construction start in August 2018.

In water work started Corey on site for monitoring. Actions in water where sand not used to buffer the HDPE.

Down at site for Stop Work action day of arrival. Maintenance still being done on old roadbed and gravel ditch built uphill of flume is rectangular undersized very high velocities. Work in water work started failure of dewatering.

Observations are being made daily for discharge and erosion with turbidity taken at pond location. High loads of saturated fines covering road rock surface.